

CLAIMS

- 1) A process for the disposal of sulfur which comprises melting the sulfur, optionally in the presence of hydrogen sulfide, and injecting the molten sulfur into geological structures having a temperature ranging from 90 to 160°C.
- 2) The process according to claim 1, wherein the disposed sulfur comes from purification treatment of hydrocarbons of a fossil nature (crude oil) or from natural gas.
- 3) The process according to claim 1 or 2, wherein the molten elemental sulfur come directly from the Claus process.
- 4) The process according to claim 1 or 2, wherein the elemental sulfur comes from a surface storage site.
- 5) The process according to any of the previous claims, wherein the hydrogen sulfide is used in a mixture with other gases which do not have the capacity of reducing the melting point of element sulfur.
- 6) The process according to claim 5, wherein the gas mixed with hydrogen sulfide is methane or carbon dioxide.
- 7) The process according to any of the previous claims, wherein the hydrogen sulfide is that sepa-

rated from the natural gas with which it is associated.

- 8) The process according to any of the previous claims, wherein the geological structures which are appropriate for receiving molten sulfur are those forming the reservoir from which the crude oil or natural gas containing sulfur are removed.

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